

9/7/93

DIALOG(R)File 351:Derwent WPI
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WPI Acc No: 1986-267996/198641

Elastic conjugate fibre - comprises thermoplastic polyurethane as core- and polyolefin sheath- component

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 61194221	A	19860828			198641	B

Priority Applications (No Type Date): JP 8529828 A 19850218

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 61194221 A 5

Abstract (Basic): JP 61194221 A

The conjugate fibre consists of a thermoplastic polyurethane as core- and a polyolefin as sheath -component which has a m.pt. lower by at least 20 deg.C than that of the core in a conjugation ratio of 30:70-70:30 by wt. It has a single fibre size of less than 30 denier. The fabric includes knitted and (non)woven fabrics which contains at least 10 wt.% of conjugate fibre . It is heat treated at a temp. lower than m.pt. of core and higher than that of sheath to cause fusion bonding of the fibres and give a fixed tissue to the fabric. The polyurethane includes linear and crosslinked types. The polyolefin includes polyethylene, polypropylene, ethylene/ propylene (butene-1)copolymer, ethylene/vinyl acetate copolymer, etc.

ADVANTAGE - The conjugate fibre has high elastic recovery and good resistance to discoloration and adhesion . (5pp Dwg.No.0/0)

Derwent Class: A17; A25; F01

International Patent Class (Additional): D01F-008/06 ; D03D-015/08 ; D04H-001/42